ARAI *et al.*, SN 09/763,823   Dkt. 503.39690X00/P4675
Amdt. dated 10/01/2004   Page 5
Reply to OA mailed 05/21/2004

IN THE CLAIMS:

1. (Original)   A pen type input device with a camera ~~including~~ comprising a

pen and a camera ~~mounting~~ mounted on said pen ~~and picking-up~~ to pick-up an

image of a penpoint, wherein said camera is mounted on said pen so that a central

axis of said pen and an optical axis of said camera are non-co-planar, so that a

center position of the image picked up by said camera is located at left side of the tip

end of said pen.

2. (Original)   A pen type input device with a camera ~~including~~ comprising a

pen and a camera ~~mounting~~ mounted on said pen ~~and picking-up~~ to pick-up an

image of a penpoint, wherein said camera is mounted on said pen so that a central

axis of said pen and an optical axis of said camera are non-co-planar, so that a

center position of the image picked up by said camera is located at right side of the

tip end of said pen.

3. (Original)   A pen type input device with a camera as set forth in claim 1 or

2, wherein said camera is mounted on said pen so that said camera may pivot

relative to said penholder, within a pivot range at least 0 to 90°.

4. (Original)   A pen type input device with a camera ~~including~~ comprising a

pen, a camera ~~mounting~~ mounted on said pen ~~and picking-up~~ to pick-up an image of

a penpoint, and an information processing apparatus ~~performing process~~ to perform

ARAI *et al.*, SN 09/763,823
Amdt. dated 10/01/2004
Reply to OA mailed 05/21/2004

Dkt. 503.39690X00/P4675
Page 6

processing of an image picked up said camera, wherein said information processing apparatus makes judgment of an orientation of an objective image picked up by said camera depending upon a position of a tip end of said pen in the image picked-up by said camera.

5. (Currently Amended)   A pen type input device with a camera ~~including~~ comprising a pen, a camera ~~mounting~~ mounted on said pen ~~and picking-up~~ to pick-up an image of a penpoint, and an information processing apparatus ~~performing process~~ to perform processing of an image picked up said camera, wherein said information processing apparatus extracts an object to be processed from an image picked up by said camera, determines a process to be executed on a basis of a color of the penpoint detected from the picked-up image, and performs process of said extracted object.

6. (Canceled)

7. (Currently Amended)   A pen type input device with a camera ~~including~~ comprising a pen, a camera ~~mounting~~ mounted on said pen ~~and picking-up~~ to pick-up an image of a penpoint, and an information processing apparatus ~~performing process~~ to perform processing of an image picked up said camera, wherein said information processing apparatus detects a position of said object extracted from the image picked up by said camera and said penpoint to display an image indicating pointing of the pen on the basis of the result of detection.

ARAI *et al.*, SN 09/763,823   Dkt. 503.39690X00/P4675
Amdt. dated 10/01/2004   Page 7
Reply to OA mailed 05/21/2004

8. (Currently Amended)   A pen type input device with a camera as set forth in claim 7, wherein said information processing apparatus displays an image indicating ~~of~~ pointing of the pen when images in which said extracted object and said penpoint overlap for a times greater than or equal to a predetermined times.

9. (Currently Amended)   A pen type input device with a camera ~~including~~ comprising a pen, a camera ~~mounting~~ mounted on said pen ~~and picking-up~~ to pick-up an image of a penpoint, and an information processing apparatus ~~performing process~~ to perform processing of an image picked up said camera, wherein said information processing apparatus uses an image of a standard pattern as picked-up by user pointing, to extract positioning correction values to be used to correct image pick-up during use for subsequent image pickup. ~~extracts a standard pattern picked up by said camera and extracts an object by correcting an image picked up on the basis of a result of extraction.~~